

20010920.ba v03\_n223.bam.20010920

>From ???@??? Thu Sep 20 22:09:51 2001 -0500  
Message-Id: <200109210309.f8L39c4N007956@sco.theporch.com>  
Date: Thu, 20 Sep 2001 16:19:29 CDT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3223

BOATANCHORS Digest 3223

Topics covered in this issue include:

- 1) Re: Geloso G209 Receiver Info. Request  
by =?iso-8859-1?Q?Andr=E9\_Guibert?= <aguibert@sympatico.ca>
- 2) AN/APX-1, SCR-695, ABF  
by "Robert W. Downs" <RWDowns\_WA5CAB@compuserve.com>
- 3) Re: [MilSurplus] AN/APX-1, SCR-695, ABF  
by "ed sharpe" <esharpe@uswest.net>
- 4) Re: [MilSurplus] AN/APX-1, SCR-695, ABF  
by "ed sharpe" <esharpe@uswest.net>
- 5) Transformer specs?  
by "Sandy W5TVW" <ebjr@i-55.com>
- 6) Re: AN/APX-1, SCR-695, ABF  
by William Donzelli <aw288@osfn.org>
- 7) BA Literature, Misc, Knobs For Sale  
by Merz Donald S <merz.ds@mellon.com>
- 8) 805s for sale  
by Ralph Parker <rparker@dccnet.com>
- 9) Heathkit Crystal Dilemma  
by David Stinson <arc5@ix.netcom.com>
- 10) BA Miscellany For Sale  
by Merz Donald S <merz.ds@mellon.com>
- 11) Magnetron 2J51 Info Wanted  
by Merz Donald S <merz.ds@mellon.com>
- 12) Re: the Heatkit Crystal Dilemma, et al...  
by "Herbert M. Rosenthal" <herbrose@lobo.net>
- 13) Heathkits  
by "Smith" <smithab11@home.net>
- 14) Re: Magnetron 2J51 Info Wanted  
by "ed sharpe" <esharpe@uswest.net>
- 15) I erred...  
by "Herbert M. Rosenthal" <herbrose@lobo.net>
- 16) Re: the Heatkit Crystal Dilemma, et al...  
by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 17) Mil web sites now restricted  
by "Terry O'Laughlin" <terryo@wort-fm.terracom.net>
- 18) Re: Heathkit Crystal Dilemma

by Edward J Knobloch <k4pf@juno.com>  
19) Re: Heathkit Crystal Dilemma  
by "Al Parker" <anchor@ec.rr.com>

-----  
Message-ID: <000b01c1408a\$0e3fa0c0\$e2f6acce@b1yhp64>  
From: =?iso-8859-1?Q?Andr=E9\_Guibert?= <aguibert@sympatico.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Geloso G209 Receiver Info. Request  
Date: Tue, 18 Sep 2001 17:34:15 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bonsoir to All  
Never thought that I would get such a wealth of informations from you  
Boatanchor members.  
Beleived that I had a little known receiver but I learned otherwise in the  
past few hours.  
Did not know that one of the biggest radio store in Montreal handled the  
Geloso ham equipment  
in the sixties/seventies, right beside my favorite Surplus Emporiums.  
Merci very much again.  
Andre

-----  
Date: Tue, 18 Sep 2001 20:44:52 -0400  
From: "Robert W. Downs" <RWDowns\_WA5CAB@compuserve.com>  
Subject: AN/APX-1, SCR-695, ABF  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200109182045\_MC3-E054-C56E@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Groups,

I was just contacted by a man named Ron Allison. He said that he is  
involved in a group restoring an FM-2 Wildcat (interesting sidebar - afte=  
r  
getting involved with it, he discovered that his father [still living] fl=  
ew  
this particular airframe around Okinawa). He is trying to locate some  
components of the AN/APX-1 IFF set. He also said that he had been told  
that the set was related to (renomenclatured from?) the SCR-695-A (ABF or=

IFF Mark III-G). So:

- (1) Anyone able to confirm the derivation (SCR-695 became APX-1)
- (2) Anyone have any hardware available.

73,

Robert W. Downs

<rwdowns\_wa5cab@compuserve.com>

Houston, TX/Bayou LaBatre, AL

-----  
Date: Tue, 18 Sep 2001 18:24:08 -0700  
Message-ID: <019501c140a9\$c7f5a5e0\$0200000a@frontdesk1>  
From: "ed sharpe" <esharpe@uswest.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: [MilSurplus] AN/APX-1, SCR-695, ABF  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

yes they are realted to the mark III

we also will pay a lot of cash for one for the exhibit here at the museum.

ed sharpe archvisit for smecc

----- Original Message -----

From: "Robert W. Downs" <RWDowns\_WA5CAB@compuserve.com>  
To: "BOATANCHORS" <boatanchors@theporch.com>; "milsurplus"  
<milsurplus@qth.net>  
Sent: Tuesday, September 18, 2001 5:44 PM  
Subject: [MilSurplus] AN/APX-1, SCR-695, ABF

> Groups,

>

> I was just contacted by a man named Ron Allison. He said that he is  
> involved in a group restoring an FM-2 Wildcat (interesting sidebar - after  
> getting involved with it, he discovered that his father [still living]  
flew  
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> components of the AN/APX-1 IFF set. He also said that he had been told  
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> IFF Mark III-G). So:

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- > (1) Anyone able to confirm the derivation (SCR-695 became APX-1)
- > (2) Anyone have any hardware available.

>  
> 73,  
> Robert W. Downs  
> <rwdowns\_wa5cab@compuserve.com>  
> Houston, TX/Bayou LaBatre, AL  
>  
> ---  
> Submissions milsurplus@qth.net  
>

-----  
Date: Tue, 18 Sep 2001 22:56:55 -0700  
Message-ID: <002501c140cf\$e3ec32c0\$0101a8c0@edsharpe>  
From: "ed sharpe" <esharpe@uswest.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: [MilSurplus] AN/APX-1, SCR-695, ABF  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

horrible spelling!  
gotta turn on the spell check on that computer!

ed!

----- Original Message -----

From: Robert W. Downs <RWDowns\_WA5CAB@compuserve.com>  
To: BOATANCHORS <boatanchors@theporch.com>; milsurplus <milsurplus@qth.net>  
Sent: Tuesday, September 18, 2001 5:44 PM  
Subject: [MilSurplus] AN/APX-1, SCR-695, ABF

> Groups,  
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> I was just contacted by a man named Ron Allison. He said that he is  
> involved in a group restoring an FM-2 Wildcat (interesting sidebar - after  
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> this particular airframe around Okinawa). He is trying to locate some  
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> IFF Mark III-G). So:  
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> (1) Anyone able to confirm the derivation (SCR-695 became APX-1)  
> (2) Anyone have any hardware available.  
>  
> 73,  
> Robert W. Downs

> <rwdownloads\_wa5cab@compuserve.com>  
> Houston, TX/Bayou LaBatre, AL  
>  
> ---  
> Submissions milsurplus@qth.net  
>

-----  
Message-ID: <002101c1411d\$38346760\$22a3cdd1@ebjr>  
From: "Sandy W5TVW" <ebjr@i-55.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Transformer specs?  
Date: Wed, 19 Sep 2001 10:09:43 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello All!

Does anyone have data on a Traid F-94X transformer?

Seems like I have info on everything but Triad! (And Merit!)

73,  
Sandy W5TVW

-----  
Date: Wed, 19 Sep 2001 11:40:18 -0400 (EDT)  
From: William Donzelli <aw288@osfn.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: AN/APX-1, SCR-695, ABF  
Message-ID: <Pine.SUN.3.91-FP.1010919113709.19551K-1000000@osfn.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I was just contacted by a man named Ron Allison. He said that he is  
> involved in a group restoring an FM-2 Wildcat (interesting sidebar - after  
> getting involved with it, he discovered that his father [still living] flew  
> this particular airframe around Okinawa). He is trying to locate some  
> components of the AN/APX-1 IFF set. He also said that he had been told  
> that the set was related to (renomenclatured from?) the SCR-695-A (ABF or  
> IFF Mark III-G). So:  
>  
> (1) Anyone able to confirm the derivation (SCR-695 became APX-1)  
> (2) Anyone have any hardware available.

I have SCR-695-A/ABF maintenance manuals, that someday will get scanned.  
I also have an almost complete AN/APX-1 setup here, so I will start

comparing.

William Donzelli  
aw288@osfn.org

-----  
Message-ID: <20010919163822.13140.qmail@mellon.com>  
From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BA Literature, Misc, Knobs For Sale  
Date: Wed, 19 Sep 2001 12:19:35 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

#### Teletype Related Literature For sale

Bell System Practices Binder full of neatly organized BSPs on "Teletypewriter Switching Systems" which is section 580 of the BSPs. 2 inch binder goes from 580-000-000 through 580-301-702. An awesome switching system reference. \$30 PPD

Teletype Model 14 Single Magnet Non-Typing Reperf manual set including Description (Bulletin 162) and Parts (Bulletin 1064. Very good condition with TT covers. \$20 PPD

Western Union Telegraph Company Model 2-B manual set. This includes "Description of Simplex Tape Printer Operation" and "Specifications Covering The Adjustment of..." and a poor copy of "Adjustment of Selector Magnet Air Gap And Armature Spring Tension". The first 2 are dated 1927. The third one is dated 1950. \$20 PPD

Military Kleinschmidt TT-4/TG Manual set. Includes TM 11-2272 dated 1954 "Teletypewriter Page Printing Mechanisms (Kleinschmidt)" which is a very detailed servicing manual for the TT-4. Then there's TM 11-2235 "Teletypewriter Set AN/PGC-1" dated 1951 which shows the whole TT-4 set including the gasoline gnerator and so forth. Finally, there's a TT-4 PARTS manual published by--get this--Teletype Corporation, in which the TT-4 is referred to as the Teletype "Model 27 Signal Corps TT-4/TG." This is Teletype Bulletin 1138 dated 1946. All 3 manuals are in like-new condition. \$35 PPD

#### Other BA Literature For Sale

Elements of Radio Servicing by Marcus and Levy dated 1947.

I think BA enthusiasts universally agree that this is one of the best basic texts for anyone wanting to learn radio servicing methods and practices. Worn at spine and fraying at edges. \$14 PPD

Elements of Radio by Marcus and Horton dated 1945. This was originally published as a 2-volume set but this version has both volumes in one book. Nicely done with theory very adroitly applied to practical situations. Hardback in nice shape. \$12 PPD

Elements of Radio by Marcus and Horton dated 1945. This is Volume 1 only of the original version. Dated 1944. Very well written. Hardback in nice shape. \$7 PPD

The Cathode Ray Tube at work by John F. Rider dated 1936. Typically thorough Rider treatment of what was then a cutting edge radio measurement tool. Hardback with lots of wear. Fraying at edges. \$14 PPD

How to Use Grid Dip Oscillators by Rufus P. Turner dated 1960. A paperback published by Rider. Worn covers and writing on front cover. Exceptional text on proper usage of the GDO to do damn near anything. \$14 PPD

RCA Victor (Canada) Radio Parts Catalogue, dated 1937. Includes all the ham gear like ACR-175, ACT-200, AT-40, ATR-219, etc., test equipment and parts. Excellent condition. \$20 PPD

Radio Theory and operation by Mary Texanna Loomis dated 1930. A classic radio text by the daughter of one of radio's more controversial figures. Fifth ed. Some marks on covers but good overall condition. \$21 PPD

Radio Operating Questions and Answers by Hornung and McKenzie dated 1952. A text designed to help get your commercial radio operator's license. Nice shape. \$8 PPD

United State Army Signal Corps Unit Course "Mechanic Learner--Radio" dated 1942. A sparkling radio training text that is all business beginning with soldering and repair techniques and building up to a group of lessons that are construction projects for various radios. 8.5 x 11 inches and spiral bound, 352 pages. This is a really neat course with core practical stuff in it like the "western Union Splice" for joining 2 wires. Very good condition. \$25 PPD

RCA Review magazine, 2 issues, July and October 1936 which

are Volume 1 Number 1 and Volume 1 Number 2. October is in excellent shape. July is very good but has marks on cover. Incredibly rare references with articles by Beverage, Kellogg and Zworykin among others. The RCA Review was RCA's internal version of an academic journal. \$30 PPD/Both issues.

#### Other Stuff For Sale

Military Keyer KY-65/ARA-26. This little box uses plastic code wheels playing against make/break switches to send a morse code ID signal like a plane ID number. This one is dirty but is all original and should clean up well. It has 2 un-used code wheels inside the case. As-is. Untested.  
\$15

Hallicrafters Tuning knob 15-A-047 as used on the S-77, early S-38s, etc. 1.5 inch dia, fluted, with lip on front edge. Used. \$11 PPD

Hallicrafters small knob 15-A-049 as used for other controls on S-77, early S-38s, etc. 7/8 inch fluted with lip in front edge. Used. \$8 PPD

Hallicrafters small knob 15-A-049 as above but this one has 3 tiny chips out of the lip edge. Used. \$8 PPD

Hallicrafters SX-43-style black knob looks like 15-A-049 7/8 inch knob with aluminum skirt added. Skirt is marked 5-4-3-2-1-0-1-2-3-4-5 over 180 degrees. \$10 PPD

Hallicrafters SX-28-style round black knob with black metal skirt labeled 0 - 9 over 360 degrees. Used on SX-28 TONE, ANL, RF GAIN and AF GAIN controls, plus others on SX-25 etc. \$11 PPD

Heathkit lever knob used for TRANS-STBY-TRANS switch on the Sixer, Twoer, Tener and CB-1 lunchboxes. \$7 PPD

Thanks.

73, Don merz, N3RHT

\*\*\*\*\*  
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-----  
Message-Id: <3.0.5.32.20010919141025.007f3ce0@pop3.dccnet.com>  
Date: Wed, 19 Sep 2001 14:10:25 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ralph Parker <rparker@dccnet.com>  
Subject: 805s for sale  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have a pair of RCA 805s for sale.  
They appear to be unused (but I can't guarantee it) in RCA "World Map" boxes.  
The boxes are a 5/10 and a 6/10.  
How about \$50.00 a pair (AES wants 47.70 each for used)?  
Shipping maybe \$10. extra.

VE7XF

-----  
Message-ID: <3BA9EDBC.C47620FC@ix.netcom.com>  
Date: Thu, 20 Sep 2001 08:23:08 -0500  
From: David Stinson <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Heathkit Crystal Dilemma  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Problem: A friend asked me to  
look at a Heathkit 401 transmitter.  
After cleaning the band switches, tube sockets and  
other contacts and giving it a touch-up alignment,  
it works OK on 40 and 20.  
Inactive crystals have knocked out the other bands.

The thing is full of low-rent JAN rocks (ick).  
They seem either inactive or yards off freq.  
Problem is, a new set of decent crystals costs more  
than the whole radio is worth.  
Anyone know a crystal place that's more affordable  
than International, or perhaps have other suggestions?

Alternately- do these things have a history of  
component drift in the xtal Osc. stage?  
That might make the less active xtals inop.  
I haven't tested it that closely yet,  
'specially since I don't have a manual.

Thanks,

Dave S.

p.s. Has anyone ever redone the lettering on the front panel of one of these things? Were I Heathkit, I'd have been ashamed to put my name on something silkscreened in such a sloppy manner. It's pathetic.

-----  
Message-ID: <20010920142152.22572.qmail@mellon.com>  
From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BA Miscellany For Sale  
Date: Thu, 20 Sep 2001 10:10:40 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

#### BA Miscellany For Sale

Is this the nicest Gonset Communicator II you've ever seen? It'll cost you \$50 to find out. This is the gray version for 2 meters with maroon knobs and a tuning eye with a switch to assign it to different functions. Tunable receive and xtal-controlled transmit. The front panel is absolutely beautiful. There may be a mark on it but you'll look long and hard to find one. Oddly, the "phones" jack is missing--it's just not there. The top and left side of the cabinet have a few scratches but they are very small and unobtrusive. The right side of the cabinet is as nice as the day this radio was unboxed. Complete with AC cord (no DC cord). Unmodified. Untested. As-is. \$50

Heathkit HD-19 Hybrid Phone Patch With original manual. This is in very nice shape I think--it's hard to tell under the terrible coating of nicotine on this thing. But Gojo will sure cure that and this should come out looking excellent or better. Complete. Unmodified. Untested. As-is. \$15

Military TS-323/UR Frequency Meter. This is the later VHF version of the famous BC-221 HF frequency meter. It looks almost identical to the BC-221 and is in the same metal case and so forth. But this meter covers 20MC to 360MC. It has an (original) socket for an external power supply that I do not have. This one has the original calibration book and serial number on the meter matches the one on the book. The cabinet on this unit has the ID "FM-31 G7-SHOP" stenciled on all 4 sides

and on top. Otherwise the cabinet paint is in very good condition. When the cover is opened to expose the meter, the meter face is like new. The original whip antenna is clipped in place in the battery compartment as it should be and the spare parts compartment has all the original spare tubes, Allen wrenches and crystal in it. Complete. Unmodified. Untested. As-is. \$55

Simpson Model 479 TV-FM Signal Generator. This is a standard AM signal generator on the left and FM sweep generator on the right. Lots of attenuation options plus phasing and blanking controls on the FM side. This unit is dirty and the cabinet paint is chipped at the front and back edges which detracts from its appearance. Also two knobs are missing. But 2 of the original test leads are included. Unmodified. Untested. As-is. \$30

Bell System Tool Kit? I believe this is a very old Bell System tool kit for switchboard repair. The small metal tool box is marked TOOL BOX H-46556. Inside the lid, the tools included are listed including Arm Adjusters, Arm Stop Adjusters, Double Dog Adjuster, Rotary Pawl Adjuster, Contact Adjuster, Duck Bill Pliers, Wiper Spring Pliers and many others. There is also a C.P. Clare & Co lube kit and a package of .33 Amp fuse wire. This kit seems to have been very lightly used and also seems to have extra tools in it. Very Unique. \$45

Sonar MB-26 2M Mobile Transmitter with mounting brackets. This unit is in poor shape. The original antenna connectors have been changed to BNC types. The power out socket is missing. The meter switch knob is wrong. The four cap nuts that hold on the front panel are gone. Despite all this, the front panel paint and lettering is in good shape and it does not appear to be electrically hacked up inside. As-is. \$15

General Radio Type 779-A Megohmmeter. Wooden case instrument with missing handle. The on-off toggle switch has been removed. But the meter seems good otherwise. The wooden case is pretty scraped up but the lid latches securely. As-is. \$20

Shipping cost is additional. Thanks.  
73, Don Merz, N3RHT

\*\*\*\*\*

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-----  
Message-ID: <20010920142424.1365.qmail@mellon.com>  
From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Magnetron 2J51 Info Wanted  
Date: Thu, 20 Sep 2001 10:13:52 -0400  
MIME-Version: 1.0  
Content-Type: text/plain

I picked up a Magnetron to add to my display tubes. But I'd like to know more about it. It's a Raytheon JAN CRP 2J51. I see it listed in Sibley's book but he doesn't give much info. Does anyone have a Raytheon spec sheet or other info on this beast? Anyone know what it was used in?

Don't you agree that Magnetrons are the coolest looking tube ever made?

73, Don Merz, N3RHT

\*\*\*\*\*  
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-----  
Message-ID: <3BAA0193.55E372AE@lobo.net>  
Date: Thu, 20 Sep 2001 08:47:54 -0600  
From: "Herbert M. Rosenthal" <herbrose@lobo.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: the Heathkit Crystal Dilemma, et al...  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

A member wrote:

<snip> <snip><snip> <snip>

Were I Heathkit, I'd have been  
ashamed to put my name on something silk-screened in

such a sloppy manner. It's pathetic.

-----

Wow, did you hit a nerve here in Albuquerque at W5AN!

Dave, you just don't get it! Those Green Boxes from Benton Harbor were never meant to compete with high end Collins, etc. They provided a very affordable entry into our wonderful hobby, careers in electronics, home entertainment, etc., for thousands of people, for many years.

How many of you, reading this, began with a 'Lunch Box' or another one of those 'pathetic' Green things? I'd guess a bunch.

I stood in line one cold February, many years ago ... all night... with a gazillion other hams and audiophiles, in front of the Heathkit Store in Overland Park, Kansas, for their Washington's Birthday (discount) sale the next morning.. the store manager arrived about midnight with coffee and donuts, and opened the store for comfort runs. I was the first one in line for the 401 when the store opened at 8 AM, and I bought it.

It was, in fact a 401 kit, for sale; previously opened but not assembled. I don't know what I paid for it, but it went together without a hitch. I dragged it, my 300 and eventually a 200 linear to many military assignments, including Thailand (HS1ADX), etc., over many years and it never failed, not once.

IT ALWAYS WORKED. Always, and I don't believe I was ever concerned about the silk screening (or the panel paint) wearing out, though they did, particularly around the knobs where your fingers rubbed the panel, clear to the aluminum in some places.

I traded the 301-401 about 25 years ago, the 200 later, for a Kenwood TS520 and the dealer never flinched at the 'patina' on the panel, there from countless, wonderful QSOs.

There's restoration and then there's restoration.

Herb Rosenthal W5AN  
herbrose@lobo.net

-----

Message-ID: <006e01c141ec\$3f843200\$b2a70141@dover1.de.home.com>

From: "Smith" <smithab11@home.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Heathkits

Date: Thu, 20 Sep 2001 11:52:27 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Regarding the Heathkits, it was a wonderful entry for the inexperienced novice for building and learning something. For those of us that home brewed quite a bit, it was also a pleasure putting an occasional "kit" together, having all the parts in one place including the chassis and sheet metal all ready stamped out, you could smell the new, and enjoy working with quality parts, when finished you could stand back at the finished product, it looked great and worked great. In the event that your Heathkit malfunctions, the instruction manual and theory of operations was excellent, Heath technical support was very good and it didn't take a rocket scientist to fix it. The silk screened panel looked a lot better than my hand lettering and decals. Heathkit was functional not beautiful. Let's bad mouth some of the overseas stuff not an American Tradition.

-----  
Date: Thu, 20 Sep 2001 09:02:52 -0700  
Message-ID: <001101c141ed\$b4bb1a60\$0200000a@frontdesk1>  
From: "ed sharpe" <esharpe@uswest.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Magnetron 2J51 Info Wanted  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Indeed cool!  
esp. if they still have the magnets on them.

I am trying to find one for the exhibit here that someone has already cut the cross section on so it shows the inside.... have a nice picture of it too bit would like to have the real thing cut.

ed sharpe archivist for smecc  
----- Original Message -----  
From: "Merz Donald S" <merz.ds@mellon.com>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Sent: Thursday, September 20, 2001 7:13 AM  
Subject: Magnetron 2J51 Info Wanted

> I picked up a Magnetron to add to my display tubes. But I'd like to know  
> more about it. It's a Raytheon JAN CRP 2J51. I see it listed in Sibley's  
> book but he doesn't give much info. Does anyone have a Raytheon spec sheet

> or other info on this beast? Anyone know what it was used in?  
>  
> Don't you agree that Magnetrons are the coolest looking tube ever made?  
>  
> 73, Don Merz, N3RHT  
>  
> \*\*\*\*\*  
> DISCLAIMER: The information contained in this e-mail may be confidential  
> and is intended solely for the use of the named addressee. Access,  
copying  
> or re-use of the e-mail or any information contained therein by any other  
> person is not authorized. If you are not the intended recipient please  
> notify us immediately by returning the e-mail to the originator.  
>  
>

-----  
Message-ID: <3BAA151B.D642315C@lobo.net>  
Date: Thu, 20 Sep 2001 10:11:09 -0600  
From: "Herbert M. Rosenthal" <herbrose@lobo.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: I erred...  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

Actually, I believe the Lunch Box was two-tone brown, and not green.  
Herb Rosenthal W5AN  
herbrose@lobo.net

-----  
Date: Thu, 20 Sep 2001 11:02:49 -0600 (MDT)  
From: Richard Loken <richardlo@devax.admin.athabascau.ca>  
Subject: Re: the Heatkit Crystal Dilemma, et al...  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Message-id:  
<Pine.PMDF.3.95.1010920105045.541095593F-100000@devax.admin.athabascau.ca>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII

On Thu, 20 Sep 2001, Herbert M. Rosenthal wrote:

> A member wrote:  
>  
> <snip> <snip><snip> <snip>  
>

> Were I Heathkit, I'd have been  
> ashamed to put my name on something silk-screened in  
> such a sloppy manner. It's pathetic.

I will stand up with Herb here! I had a Heath SB300 and an SB401 for years and they are lovely radios, they did not match Drake or Collins but they cost less than either and they beat the hell out of Galaxy and their ilk which were aimed at the SSB rag chewing crowd but fell flat on their faces when asked to do serious CW work. I never owned a microphone when I had the Heath twins so SSB performance was not a high priority.

Are my Drake R4 and T4XB better and more reliable than my Heath twins were? You are darn right they are but I bought them in the early 90's, when the R4 was new it cost twice what my old man made in a month.

---

Richard Loken VE6BSV, Systems Programmer - VMS  
Athabasca University  
Athabasca, Alberta Canada  
\*\* richardlo@admin.athabascau.ca \*\*

-----  
Message-Id: <5.1.0.14.0.20010920135432.00b0dd88@wort-fm.terracom.net>

Date: Thu, 20 Sep 2001 13:56:24 -0700

To: Old Tube Radios <boatanchors@theporch.com>

From: "Terry O'Laughlin" <terryo@wort-fm.terracom.net>

Subject: Mil web sites now restricted

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

I was looking for some information on the uses of WJ receivers in tactical equipment  
and I am finding that the access to these documents on military web sites  
is gone.

Anyone else noticing similar restrictions?

73      Terry O'      WB9GVB

-----  
To: Old Tube Radios <boatanchors@theporch.com>

Cc: boatanchors@theporch.com

Date: Thu, 20 Sep 2001 15:21:52 -0400

Subject: Re: Heathkit Crystal Dilemma

Message-ID: <20010920.152308.2060.0.k4pf@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

From: Edward J Knobloch <k4pf@juno.com>



>David Stinson arc5@ix.netcom.com, reported that several of  
> the JAN crystals in a Heath SB401 would not oscillate.

First, assuming the crystals are socketed,  
try using an ink eraser to clean the crystal pins  
and the pins of the oscillator tube.

It could be that the crystals need more "oomph"  
from the oscillator circuit to get going.  
Assuming it's a Colpitts oscillator,  
you might try varying the ratio  
of feedback capacitance from plate  
to grid and grid to ground.

If it's an electron-coupled oscillator, try resonating  
the output tank above the crystal frequency.  
(A grid dip meter comes in handy in this application).

73,  
Ed Knobloch k4pf@juno.com

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Message-ID: <00ed01c14232\$4eaf64c0\$6401a8c0@computer>  
From: "Al Parker" <anchor@ec.rr.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: <arc5@ix.netcom.com>, <k4pf@juno.com>  
Subject: Re: Heathkit Crystal Dilemma  
Date: Thu, 20 Sep 2001 17:13:57 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

hi all,  
just had a thought when reading Ed's reply - seems like I had a similar  
problem with an SB-102 or similar Heath unit, - check the values of the  
resistors around the osc. tube - esp. grid & cathode. I think I found a  
couple way out of tolerance & cured the problem.

73,  
Al, W8UT

> >David Stinson arc5@ix.netcom.com, reported that several of  
> > the JAN crystals in a Heath SB401 would not oscillate.  
>

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End of BOATANCHORS Digest 3223  
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